

— ENERGY MONITORING & MANAGEMENT SOLUTIONS
PROVIDER

Smart Energy for a Sustainable Future

MONITOR · MANAGE · OPTIMISE · SCALE

Aadhya SmartGrid is a full-stack energy intelligence platform — combining real-time EMS monitoring, prepaid metering and billing, IoT integration, and smart utility infrastructure. Built entirely in-house in India, designed for every scale from a single housing society to utility-scale AMI deployments.

24/7

LIVE MONITORING

99.9%

PLATFORM
UPTIME

Multi-
site

ARCHITECTURE

2030

AMI ROADMAP

Real-Time EMS

Prepaid Metering

IoT Integration

Android App

White-Label API

Smart HES Roadmap

Smart Energy for a Sustainable Future

Founded in India · Built for the world · aadhyasmartgrid.in

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PLATFORM OVERVIEW

A complete energy intelligence platform

Aadhya SmartGrid connects your existing energy meters to a unified digital platform — delivering real-time monitoring, prepaid billing, IoT automation, and analytics in one in-house-built solution. No meter replacement. No wiring changes. Deployable in days.

CORE SOLUTIONS



Real-Time Energy Monitoring

Live kWh, voltage, current, and power factor — updated every 30 seconds from on-site IoT collectors. Anomaly alerts included.

EMS



Prepaid Metering & Billing

Customer-level prepaid balances, auto relay cut-off at zero, and multi-tariff support for grid and generator. Instant UPI/cash/online recharge.

PREPAID



Automated Billing

Scheduled monthly bill generation with separate grid and generator tariff breakdowns. PDF invoices with automated email dispatch.

BILLING



Analytics & MIS Reports

Daily, monthly, and trend analytics per meter, site, or portfolio. Anomaly detection, silent meter alerts, and CSV export.

ANALYTICS



IoT & Hardware Integration

Protocol-agnostic — RS-485, TCP/IP, and standard gateways. Supports multiple meter types across all sites from a unified interface.

IoT



API & White-Label Platform

REST API for channel partners. Secure key-based access, site-scoped permissions, configurable rate limiting. White-label ready with your branding.

API



Customer Mobile App

Android app on Google Play — real-time balance, usage history, recharge, and complaints. No third-party app required.

MOBILE



Multi-Site Management

One dashboard for all sites. Role-based access — SuperAdmin, Admin, Operator, Viewer — scoped per site.

EMS



Load Management

Monitor peak demand, set thresholds, and schedule relay control to reduce energy costs and improve site efficiency.

EMS

WHO WE SERVE

Housing Societies & RWAs

Prepaid metering, automated billing, and resident app for gated communities and apartment complexes.

Industrial & Manufacturing

Real-time monitoring, load management, and demand analytics for factories and industrial campuses.

Commercial Buildings

Tenant sub-metering, consumption reporting, and automated billing for offices and commercial complexes.

Real Estate Developers

Turnkey smart metering infrastructure for new residential and commercial projects — from design to deployment.

Channel Partners & Resellers

White-label platform, third-party API, and reseller agreements. Your brand, our proven energy intelligence stack.

Smart Cities & Government

AMI-ready infrastructure for municipal utilities, smart city projects, and public sector energy programmes.

How deployment works

1. Install — A compact IoT data collector connects to your existing meters, no wiring changes required. **2. Onboard** — Register meters, assign customers, configure tariffs and billing rules in minutes. **3. Manage** — Operators manage balances via the prepaid portal; customers recharge via the mobile app. **4. Optimise** — Live dashboards, automated billing, anomaly alerts, and analytics for every stakeholder.

TECHNOLOGY ROADMAP

From live EMS today to Smart HES tomorrow

Our platform evolves in three clear phases — each building on a proven, production-deployed foundation toward utility-scale Advanced Metering Infrastructure by 2030.

PHASE 1 — FOUNDATION

Live EMS Platform

NOW — 2026

- Real-time EMS monitoring
- Prepaid metering & billing
- IoT collector fleet management
- Multi-site, role-based access
- Customer mobile app
- Third-party REST API
- UPI, cash & online payment
- White-label & reseller support

PHASE 2 — SMART HES

Head-End System

NEXT — 2027-28

- DLMS/COSEM, IEC protocols
- Meter onboarding at scale
- Event, alarm & tamper mgmt
- Firmware & config management
- Secure communication layer
- Load forecasting
- HES API for MDMS integration
- Advanced demand analytics

PHASE 3 — AMI PLATFORM

Advanced Metering Infra

FUTURE — 2029-30

- Utility-scale AMI platform
- RF Mesh / NB-IoT / Cellular
- Meter Data Management (MDM)
- AI anomaly & theft detection
- Water, gas & multi-utility
- Smart grid integration
- Smart city support
- Government tender-ready

PORTAL ACCESS

Two portals. One platform.

EMS PORTAL

Energy Management System

- Live meter dashboard & consumption data
- Bill generation & PDF invoice download
- IoT collector fleet monitoring
- Multi-site analytics & MIS reports
- Load management & anomaly alerts
- Role-based access control

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PREPAID PORTAL

Prepaid Management System

- Customer balance & recharge management
- Automated relay cut-off & reconnect
- Tariff & deduction mode configuration
- Grid & generator consumption tracking
- Payment history & transaction log
- Site-level billing reports

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WHY AADHYA SMARTGRID

✓ No hardware replacement

Works with your existing meters over standard RS-485 or TCP/IP communication. No changes to wiring or hardware required.

✓ Production-proven reliability

Live across multiple sites since 2026 with 24/7 uptime. Automatic service recovery, enterprise-grade deployment, zero data loss.

✓ Dual-source billing

Separate tariff rates for grid and generator with independent consumption tracking — critical for Indian sites with DG backup.

✓ Affordable at every scale

Enterprise-grade technology priced for Indian housing societies, industrial sites, and utilities — not just large corporations.

✓ **100% in-house built**

Every component — EMS, Prepaid, Mobile, IoT, API — developed entirely in-house. No third-party dependencies. Full control over roadmap.

✓ **Clear AMI roadmap**

Every feature built today is designed as a building block toward the Smart HES and AMI platform — without re-architecture.

ABOUT AADHYA SMARTGRID

Built in India. Built for the world.

Aadhya SmartGrid is an energy monitoring and energy management solutions provider — developing affordable, scalable, and intelligent platforms for industries, housing societies, commercial buildings, smart cities, and utilities across India.

We design energy management systems specifically for India's real infrastructure realities — dual-source power, prepaid billing requirements, multi-tenant residential deployments, and the path toward utility-scale smart metering.

2026

Year Founded

24/7

Live Monitoring

EMS + HES

Platform Roadmap

Pan-India

Deployment Support

VISION

To be India's most trusted smart utility platform — enabling intelligent, connected, and sustainable energy management for every sector.

MISSION

To develop affordable, scalable, and intelligent solutions for energy and utility management — combining real-time monitoring, prepaid services, IoT integration, and next-generation metering infrastructure.

GOAL

By 2030 — evolve from our proven live deployment into a full-scale Smart Head-End System supporting Advanced Metering Infrastructure across India.

CORE VALUES

**Intelligence**

Raw meter data turned into decisions — not just dashboards.

**Reliability**

Production-grade from day one — continuous operation, zero data loss.

**Affordability**

Enterprise technology priced for every Indian sector.

**Scalability**

From a single society to a national AMI platform — no re-architecture.

**Openness**

Protocol-agnostic, API-first, white-label ready.

**Built in India**

Every line of code developed in-house in India, to global standards.

Ready to see it in action?

Request a live demo — we'll walk through both portals using your site type as context. Typically scheduled within 2-3 business days.

REQUEST A DEMOcontact@aadhyasmartgrid.in

CONTACT US



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SERVICE AREA

Pan India — remote deployment and onboarding supported across all states

Aadhya SmartGrid

Founded in India · Built for the world

Smart Energy for a Sustainable Future

Monitor · Manage · Optimise · Scale

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